NCAMP and CMH-17

What the new center means to the handbook
Will NCAMP Replace the Handbook?

- No
- The handbook provides a expert review and validation as an independent organization
- NCAMP will facilitate the handbook’s operations
- The handbook has to move to meet industry’s schedule for introduction of new products
The Three Legged Shared Database Stool
What is needed for Shared Databases

Methodology and Validation of Data

Composite Materials Handbook-17

Consistent Testing, Material and Process Controls

ASTM & SAE AMS P17

Producers of Data

NCAMP
What does CMH-17 Provide?

• Review of testing methods to determine acceptability for property determination
• Review data analysis methodology for approval
• Review material property data and validate the results
• Maintain reviewed and validated data for use by industry, regulators and other interested individuals
What does ASTM & SAE AMS P-17 Provide?

• Validated Test Methods
• Uniform Material Procurement Specifications
• Uniform Material Processing Requirements
• Review of the consistency of material provided to established database?
What does NCAMP Provide?

- Driving force to create shared database
- Material Property Datasets per requirements of the other two legs
- Consistent use of acceptable methodology
- Trusted source for data to be validated by MIL-HDBK-17
- Review of the consistency of material provided to established database?
Initial Concerns to be Addressed

• Who does what?
  • NCAMP is addressing these as part of its process
    – Standard Test Set
    – Qualification Responsibility
    – Configuration Management (Change Control)
      • Component Control (Changes, Sources)
      • Manufacturing Control (Locations, Equipment)
    – Continuous Monitoring (Property Values)
      • (Cost, Actions & Responsibility)
    – SAE AMS P-17 Specification
• Training (Training the Reviewer)
• Economic Impact